

Study of Aluminium Oxide as a Catalyst. II. Ammonia,
Water and Pyridine High Temperature Adsorption, by T.
Shiba, E. Echigoya.

JAPANESE, per, Nippon Kagaku Kaishi, Vol LXXVI, No 9,
Sep 1955, pp 1049-1053.

ASLJB-GB39

Sci

Aug 59

95,140

Colorimetric Determination of Small Amounts of
Fluorine With Kso Tharin, Report No 1, by E.
Koichi, T. Hayami, 10 pp.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXVI,
No 11, Nov 1955, pp 1291-1293.

Sci - Med

Sep 58

NIH 8-12
JKA 61-10291
73,490

Edta Titration With Cobalt II Solution, 1. Titration
of Various Heavy Metals With Thiocyanic Acid-Acetone
as Indicators, 2. Titration of Various Rare Metals,
3, by Susumu Takamoto, 20 pp.

Nihon Kagaku Zasshi
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SLA 59-10718

Sci
Dec 59
Vol 2, No 5

103,608

Day-Sensitized Photopolymerization of Styrene. III,
by H. Miyama, 5 pp.

JAPANESE, per, J. Chem Soc Japan, Pure Chem Sec,
Vol LXXVI, 1955, pp 1361-1363.

ATB-71H13J

Sci

Aug 59

95, 385

Studies on Phthalocyanine Derivatives. Pt 5:
Iron Phthalocyaninetetra-4-Sulfonic Acid
Salts, by Naomi Fukada.
JAPANESE, per, Nippon Kagaku Zasshi, Vol 76,
1955, pp 1378-1381. 9232543
AEC UCRL-tr-1316

Sci/Chemistry
May 66

300,504

63-16206

Yuki, Hiraaki.
SYNTHESIS OF POLYPEPTIDE CONSISTING OF
DL-GLUTAMIC ACID, DL-LYSINE AND DL-
PHENYLALANINE. Rept. no. 1 of Synthetic Bipolar
Polypeptide. [1963] 12p. (figs. tables omitted) 13 ref's.
Order from SLA \$1.60 63-16206

Trans. of Nihon Kagaku Zasshi (Japan) 1956, v. 77,
no. 1, p. 44-47.

DESCRIPTORS: *Proteins, *Peptides, Synthesis
(Chemistry), *Amino acids, *Glutamic acid, *Lysines,
*Phenylalanines, Polymerization, Quantitative analysis,
Carboxylases, Chromatographic analysis,
Electrolytic titration.

In order to obtain a substance similar to natural protein
by adding neutral amino acid, together with glutamic
acid and lysine and by further increasing the molecular
(Biological Sciences--Biochemistry, TT, v. 10, no. 7)
(over)

I. Yuki, H.
II. Title: Synthetic...

Office of Technical Services

Yuki, H[iraaki].
SYNTHESIS OF POLYPEPTIDE CONSISTING OF
L-GLUTAMIC ACID, L-LYSINE AND L-LEUCINE.
Rept. no. 2 of [Synthetic Bipolar Polypeptide]. [1963]
9p. (figs. tables omitted) 5 refs.
Order from SLA \$1.10

63-16207

Trans. of Nihon Kagaku Zasshi (Japan) 1956, v. 77,
no. 1, p. 48-51.

DESCRIPTORS: *Peptides, *Glutamic acid, *Lycines,
*Leucine, Synthesis, Polymerization, Copolymeriza-
tion, *Amino acids.

(See also 63-16206)

(Chemistry--Organic, TT, v. 10, no. 7)

63-16207

I. Yuki, H.
II. Title: Synthetic...

Office of Technical Services

AEC (SC-T-713068) THE STRUCTURE OF AMORPHOUS
CARBON. PART 10. X-RAY STUDIES OF BAKELITE RESINS
IN THE COURSE OF CARBONIZATION. Ouchi, K.; Honda, H.
Translated for Sandia Labs., Albuquerque, N. Mex., from Nippon
Kagaku Zasshi; 77: No. 1, 147-51 (1956). 13p.

chemistry (organic); translations

ND-4 P RC

Unlimited

R-494-N

JAPANESE, Nihon Kagaku Zasshi, Vol. LXXVII, 1956
pp238-244

*JPRS for Picatinny arsenal

SCI - Chem
15 Mar 61

Absorption of Hydrogen and Deuterium by
Metallic Titanium, by Toshizo Chitani.

JAPANESE, per, Journal of the Chemical
Society of Japan, Pur Chem Section, 9202589
Vol LXXVII, 1956, pp 295-297.

^{SCL}
*AEC-~~De~~ - Tr-451

Sci - Chem, Min/Met
Nov 62

62-14942

Ueda, Hiromiki and Ota, Masaki.
CONSTITUTION OF 3-AMINO RHODANINE. Rept. 3 of
Studies on Heterocyclic Compounds Containing Sulphur.
[1962] [21 p. 4 refs.
Order from SLA \$2.60

62-14942

Trans. of Nihon Kagaku Zasshi (Japan) 1956, v. 77
[no. 2] p. 335-338.

DESCRIPTORS: *Heterocyclic compounds, Sulfur com-
pounds, Nitrogen compounds, *Thiocyanic acid,
Chemical reactions, Amines.

I. Ueda, H.
II. Ota, M.
III. Title: Studies...

(Chemistry--Organic, TT, v. 9, no. 4)

Office of Technical Services

Analyse Quantitative de L'Arsenic et de
L'Antimoine en Quantite Faible Dans le Germanium
et L'Oxyde de Germanium, by H. Goto, Y. Kakita,
9 p.

JAPANESE, per, Nihon Kagaku Zasshi, 1956, Vol LXVII,
pp 739-742.

CEA-tr-X123

Sci
Feb 60
Vol. 2, No 10

108,821

Content of Elements of the Thorium Series in the
Hot Spring of Japan. Report No 3. Mineral
Springs in the Chugoku and Shikoku Regions, by
K. Shimokata, 21 pp.

JAPANESE, per, Nihon Kagaku Zasshi (Journal of
the Chemical Society of Japan), Vol LXXVII,
No 6, Jun 1956, pp 848-854.

NIN 8-36

Sci - Med

Sep 58

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English Title Unknown, by M. Suzuki.
JAPANESE, per, Nihon Kagaku Zasshi, Vol 77, 1956,
pp 873-878.
NLL Ref: 8881.19 (X46)

Sci-Chem
Aug 68

361,821

Measurement and Discussion of the Integrated Intensities of the OH and C-O Infrared Absorption Bands, by H. Tsubomura, 7 pp.

Nihon Kagaku Zasshi
JAPANESE, par, J. Chem Soc Japan, Pure Chem Sect, Vol LXXVII, No 6, 1956, pp 982-984.

ATS-63JHJ

Sci

Aug 59

Res. J. Int. Chem
IN 9-55
20-5 95, 117

Intramolecular Potential of Pyramidal $M(CH_3)_3$
Molecules, by Kazuhiro Shimizu, 7 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXVII,
No 7, 1956, pp 1103-1105.

SIA 60-14245

Sci
Feb 62
X Vol III, No 11

184,702

Reaction of Phenols and Anhydrous Maleic Acid
by Friedel-Crafts Method, by Koga, Hisashi, 7 pp.

JAPANESE, Nippon Kagaku Zasshi, Vol LXXVII, No 8,

CIA/FDD XX-469
NOFORN

Sci - Chem
Jul 58

IAC USE ONLY XX-469

67,775

Estimation of Metallic Ion by the Oxalate
Method (Report 6 - 8) by K. Kawagaki

Nihon Kagaku Zasshi

JAPANESE, per, Journal Chemical Society of Japan,
Vol LXXVII, pp 1459-1467, 1956

C.S.I.R.O.

Sci - Chem

May 60

116,414

Studies in the Photochemistry of Flashlight, by
K. Fueki, M. Shida and Z. Kunori, 12 pp.

JAPANESE, per, J Chem Soc Japan, Vol LXVII,
1956, pp 1533-1536.

1531

SLA 57-3004

Sci

Aug 58

71,189

Zirconium Compounds. VI. Reaction Between
Zirconyl Chloride and Oxalates, by
Sadashige Takagi, 12 pp.

JAPANESE, per, Nippon Kagaku Zasshi,
Vol LXXVII, 1956, pp 1568-1572. 92/36/5

AEC-SCL-T-486

Sci-Chem

Sep 63

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Cyanoacetylene, Part I. Synthesis and Some
Chemical Properties, by S. Murahashi.
JAPANESE, per, Nippon Kagaku Zasshi,
Vol 77, 1956, pp 1689-1692.
NASA TT F-11,771

Sci
Dec 68

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Studies on Cyanoacetylene, Part II. Properties and the
Methods of Preparation of Cyanoacetylene (No. 3),
by S. Murahashi, T. Takizawa, S. Kurihara, 9 pp.

When Kaga Kei Zasshi
JAPANESE, per, J. Chem Soc., Paper Chem. Vol. LXVII,
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~~CIA/SSS 11-27-61~~

Sci - Chemistry

Apr 61

CIA INTERNAL USE ONLY

List 41

145, 181

Studies of Silicic Acid in Aqueous Solutions.
Part 3. Behavior of Silicic Acid in Aqueous
Solutions Containing Fluorine Ions, by T.
Tarutani.

Nihon Kagaku Zasshi
JAPANESE, per, ~~J. Chem. Soc. Japan, Pure Chem. Sect.~~,
Vol LXXVII, No 12, 1956, pp 1811-1815.

ATS JJ-2045

Sci - Chem
Dec 59

104,060

Studies on Silicic Acid in Aqueous Solutions.
Part 4. Catalytic Action of Fluorine Ions on
the Formation of Colloidal Silica, by T.
Tarutani.

Nihon Kagaku Zasshi
JAPANESE, per, J Chem Soc Japan, Pure Chem Sect,
Vol LXXVII, No 12, 1956, pp 1815-1818.

ATS JJ-2046

Sci - Chem
Dec 59

104,061

Surface Films of Nucleic Acid, by Kin-ichiro Miura.
Nihon Kagaku Kaishi
JAPANESE, per, Japanese Chemical Society of Japan,
Vol LXXVIII, No 2, Feb 1957.

Navy Tr 1543/ONI-32

Sci - Chem

Dec 57

56,005

Decomposition of Methyl Alcohol by Co⁶⁰ γ-Rays,
by Y. Yisuka, Y. Ouchi, K. Hirota, G. Kneuzoto,
6 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXVIII,
1957, pp 129-131.

ABC UCRL 370

Sci - Phys

Dec 58

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A Study of Some Michael Reactions Using the
Molecular Orbital Theory, by Y. Oda,
T. Shono.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXVIII,
~~No 11~~, 1957, pp 138-144.

TIL TS226

May 64

Monolayer Studies of Tanning Effect etc., by Hitoo
Kakiyama.

JAPANESE, per, ~~Journal of Chemical Society of Japan~~,
Vol LXVIII, No 2, Feb 1957, pp 256-259.

Navy Tr 1542/ONI-31

Sci - Chem

Dec 57

56,004

Kobayashi, Masamitsu.
INFLUENCE OF pH ON THE INHIBITING ACTION
OF SODIUM TRI-PHOSPHATE AGAINST COPPER
ION-(11)-POLAROGRAPHIC STUDY. Rept. no. 8 on
Analytical-Chemical Studies on Poly-phosphoric Acid.
[1960] 6p. (12 figs. omitted) 4 refs.
Order from SLA mi\$1.80, ph\$1.80 61-10177

Trans. of [Nihon] Kagaku Zasshi (Japan) 1957, v. 78,
no. 3, p. 313-316.

141, 136

(Chemistry--Analytical, TT, v. 5, no. 2)

61-10177

1. Polarographic analysis
 2. Phosphoric acids--
Polarographic analysis
 3. Sodium phosphate--
Chemical reactions
 4. Copper ions--Determination
- I. Kobayashi, M.
II. Title: Analytical-Chemical...

Office of Technical Services

R-432-N

Separation of Cesium in Low Quantities by Chromatography and Ion Exchange, by N. Yamagata.

JAPANESE, per, J Chem Soc Japan, Vol LXXVIII, 1957,
pp 513-517 (~~pp 1-8~~).

*JPRS for Army Roc Gui Mis Agen

Sci - Chem, Phys

2 Nov 60

Studies of Maleic Anhydride Derivatives and
Their Utilization VI. The Synthesis of
Benzylsuccinamide and Benzylsuccinimide
Derivatives and Their Anticonvulsant Activities,
by S. Matsuda, H. Matsuda, 6 pp.

JAPANESE, per, Nihon Kagaku Zasshi,
Vol LXXVIII, No 6, 1957, pp 514-517.

ATB-51M413

Sci
Vol IV, No 7
Apr 62

192,646

The Effects of Gamma Ray Irradiation on a Solid Catalyst, by Kozo Hirota, Shigeru Sakuyama, Gisleke Y. Morihitsu, 8 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol. LXXVIII, 1957, pp 981, 982.

ZEC/EP Tr 223

Sci - Phys

May 59

86,980

Synthesis of Toluene, by H. Kari, S. Kondo, H.
Kunagaya, 14 pp.

Nihon Kagaku Zasshi
JAPANESE, par, J. Chem Soc Japan, Vol LXVIII, No 8,
1957, pp 1174-1178.

SLA 53-382

Box

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93,588

R-1103-N

A Study on Chromatostrip (1) Separation and Confirmation of Nitrogen Compound (Fragance) by Chromatostrip (2) Separation of Nitrogen Compound.

JAPANESE, per, Ninon Kagaku Zasshi, Vol LXXVIII, No 8, 1957, pp 1185-1187.

*JPRS/ Redstone Arsenal

Sci

Jan 63

Study on Desoxyribose Nucleic Acid of Herring
Spermatozoa by Diffusion Measurement, by Kojiro
Iso, Itaru Watanabe, 15 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXVIII,
No 9, 1957, pp 1868-1872.

WH 4-15

Sci - Chem

May 59

85,996

Color Change of Polyvinylchloride in Thermal
Degradation, by A. Konishi, X2 13 pp.

~~XXXXXXXXXX~~

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXVIII,
No 10, 1957, pp 1517-1521.

SLA 60-18499

203, 215

Sci

Jun 62

TT-64-16493

Iwaki, R. and Kamiya, I.
STUDY OF CHEMILUMINESCENCE OF DYES.
REPT. I. PECULIARITY OF LUMINESCENCE
PHENOMENA. Gp (10 figs & table 5 refs omitted) 4 refs
Order from SLA \$1.10 TT-64-16493

Trans. of Nihon Kagaku Zasshi (Japan) 1957, v. 78,
[no. 11] p. 1613-1617.

(Chemistry--Physical, TT, v. 12, no. 4)

I. Iwaki, R.
II. Kamiya, I.
III. Title: Peculiarity...

Office of Technical Services

Semi-Quantitative Analysis of a Small Amount of
Metal by Paper Chromatography, by Harasawa,
Hayano.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXVI
1957, pp 1707-1709.

CHIRO

Sci - Chem

Jun 61

156,936

Asano, N. and Nojima, S.
REDUCTION OF MAGNETITE BY COPPER MATTE,
REPT. 1. [1961] [12]p. 15 refs.
Order from SLA \$1.60

61-10737

Trans. of [Nihon Kogyo Kaishi] (Japan) 1958, v. 74,
no. 838, p. 249-252.

DESCRIPTORS: *Magnetite, Reduction *Copper, *Ores,
Processing, *Smelting.

Mixtures of magnetite and copper mattes of various
composition were melted in a silica tube. The amounts
of SO_2 formed by the reaction, and the composition of
the samples were determined. When the copper matte
was saturated with Fe_3O_4 , the magnetite was rapidly
reduced, but when unsaturated the reduction reaction
proceeded slowly.

(Engineering--Chemical, TT, v. 6, no. 3)

61-10737

I. Asano, N.
II. Nojima, S.

175160

Office of Technical Services

Thermodynamic Studies of Cuprous Azide, by
Shin Suzuki.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIV,
No 4, 1956, pp 269-271.

ERDL, Ft Belvoir T-1253

Sci - Chem
Apr 62

192, 356

The Chemical Action of a High-Frequency Electric Discharge, Part 7. Reaction Between Methane and Nitrogen Induced by a Nonpolar Discharge, by S. Miyazaki, S. Takahashi,

JAPANESE, per, J Chem Soc Japan, Pure Chem Sect, Vol LXXIX, No 1, 1958, pp 21-26.

ATS-69K24J

ATS JJ-1622

Sci - chem
Jul 59

90, 449

The Chemical Action of a High-Frequency Electric Discharge. Part 6. Formation of Hydrogen Cyanide by the Reaction of Methane, Nitrogen, and Ammonia, by S. Miyazaki, S. Takahashi.

JAPANESE, per, J. Chem Soc Japan, Pure Chem Sect, Vol LXXIX, No 1, 1958, pp 17-21.

ATS-69K24J
JJ-1621

Sci - Chem
Jul 59

90,447

Improvements in Q Rocket Performance; Studies
of Two Plans for N Rocket, 7 pp.

GOVERNMENT USE ONLY

JAPANESE, per, Nihon Roketto Kaihatsu Kyogikai
Kaiho, Tokyo, No 137, Mar 1969, pp 14-18.

JPRS GUO 3058

Sci-Missile Tech

Jul 69

34,948

On the Development of Large Satellites and
Launching Rockets, 11 pp.

GOVERNMENT USE ONLY

JAPANESE, per, Nihon Roketto Kaihatsu Kyosikai

Kaiho, Tokyo, No 137, Mar 1969, pp 19-25.

JPRS GUO 3058

Sci-Space Tech
Jul 69

384,949

Space Development Agency Law, 16 pp.

GOVERNMENT USE ONLY

JAPANESE, par, Nihon Roketto Kaihaten Kyogikai
Kaiho, Tokyo, No 137, Mar 1969, pp 27-38.

JPRS GUD 3058

Sci-Space Tech
Jul 69

384,950

Bonding Textiles to Rubber, by S.
Urabe, K. Tokikawa.
JAPANESE, per, Nippon Gomu Kyokaishi,
Vol 39, No 10, 1966, pp. 887-92.
NTC 69-11676-11J

Sci-Mat
July 69

386,689

Spectrophotometric Determination of Small
Amounts of Sulfate Ion, Parts I-III, by
Tsuji Iwasaki, Satoru Utsuni, 49 pp.

JAPANESE, per, Nippon Kagaku Zasshi,
Vol LXXIX, 1958, pp 32-39.

ARC 21-5222

Sci - Chem
Oct 62

212, 638

Studies of the Anode Reaction, by K. S. Aoyagi,
K. Sugino, 6 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX,
No 10, 1958, pp 56-58.

KRDL, Ft Belvoir
T-1079

Sci
Jun 61

158,035

Chemical Reactions in a High-Frequency Electric Discharge, Part 8, Formation of Hydrogen Cyanide From Methane and Ammonia, by S. Miyazaki, S. Takahashi,

JAPANESE, par, J.Chem Soc Japan, Pure Chem Sect, Vol LXXIX, No 2, 1958, pp 135-137.

ATB JJ-1623

Sci - *chem*
Jul 59

90,448

Chemical Reactions in a High-Frequency Electric
Discharge, Part 9, Formation of Hydrogen Cyanide
by the Reaction of Methane, Nitrogen and Hydrogen,
by S. Miyazaki, S. Takahashi,

JAPANESE, per, J Chem Soc Japan, Pure Chem Sect,
Vol LXXIX, No 2, 1958, pp 138-142.

ATS JJ-1624

Sci - chem
Jul 59

90, 450

Determinations of Metal Ions by Hexamminecobalt ~~III~~^{II} Chloride and Sodium Fluoride² (First and Second Reports), by Yoshimasa Takashima, 14 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX, 1958, pp 243-248.

AEC UCRI. Tr-539(L)

Sci - ~~Engineering~~ Chem
Aug 60

123,974

Synthesis of Organic Compounds by Electric Discharge - Part 9: Reaction of Ethylene with Ammonia by Silent Electric Discharge, by T. Matsuda, K. Odo.
JAPANESE, per, Nippon Kagaku Zasshi, Vol 79, No 3, 1958, pp 324-329.
CEGB/O.A. Trans 615

Sci-Elec
Sept 69

391,595

Part V. The Separation of Beryllium by the Use of
an Ion-Exchange Resin, by Taketatsu Tomitsugu, 8 pp.

JAPANESE, per, Nihon Kagaku Zasshi, ^{Part 5 + 6,} Vol LXXIX,
No 5, 1958, pp 586-594. 9095569

AEC NP Tr-797

NAL RI. 95 VOL

Sci - Chem
Mar 62

186, 477

On the Formation of O, O-Dialkyl Hydrogen Phosphonothicates ($[(RO)_2P(S)B]$), And on Several of Their Properties, by Taro Yamazaki, 14 pp.

JAPANESE, Ter, Nihon Kagaku Zasshi, 1958, Vol. LXXIX, No 7, pp 832-836.

SIA 59-10491

Sci
Oct 59
Vol 2, No 3

99,902

Influence of Non-Newtonian Viscosity on the
Molecular Weight-Intrinsic Viscosity Relationship
of High Polymer Solutions (Polystyrene ~ Toluene
Solutions), by Kawabara, Kazuo, Ueda, Minoru, 17 pp.

JAPANESE, Per, Nihon Kagaku Zasshi 1958, Vol LXXIX,
No 7, pp 843-848.

SLA 59-10492

Sci
Oct 59
Vol 2, No 3

99, 908

Studies on Phthalocyanine Derivatives.
Part VIII: On the Salts of Zinc
Phthalocyanine-Tetra-(4)-
Sulfonic Acid, by N. Fukada.
JAPANESE, per, Nippon Kagaku Zasshi,
Vol XXXIX, 1958, pp 980-983. 9232584
*AEC UCRL-TR-1317
EDC March 1966

Sci-M/M
Feb 66

Ion Exchange Separation of Scandium and Lanthanide
Elements, by Jun Yoshimura, Yoshimasa Takashima,
Hirohiko Waki, 9 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX,
1958, pp 1169-1172.

AEC UCRL-Tr-540(L)

Sci - Chem
Sep 60

124,841

TT-62-32178

Aoyagi, Shigeru and Sugino, Kitchiro.
STUDIES OF THE ANODE REACTION, PT. 1. [1962]
6p 7refs RIS E-694; AERDL T-1879.
Order from OTS, SLA, or ETC \$1.10 TT-62-32178

Trans. of [Nihon] Kagaku Zasshi (Japan) 1958, v. 79,
no. 10 [p. 1202-1204]. (Abstract available)

DESCRIPTORS: Anodes (Electrolytic cell), *Elec-
trolysis, Acetic acids, Sodium compounds, Acetates,
*Perchlorates, *Gas analysis, Carbon dioxide,
Oxygen, Hydrocarbons.

A mixed solution of acetic acid and sodium acetate, and
another solution obtained by dissolving this in con-
centrated sodium perchlorate, were electrolyzed at a
fixed potential with a platinum anode, and the resulting
gases were analyzed. Of the two steps which appear in
the curve of the current for the anode potential, the
lower is assumed to be the step where the acetic acid
(Chemistry--Physical, TT, v. 11, no. 4) (over)

- I. Title: Kolbe reaction
- I. Aoyagi, S.
- II. Sugino, K.
- III. RIS-E-694
- IV. AERDL-T-1879
- V. Army Engineer Research
and Development Labs.,
Fort Belvoir, Va.
- VI. Research Information
Service, New York

10-31-62

Office of Technical Services

Distribution Equilibria of Alkali Chlorides
in the Water-n-Butanol System, by
SAITO, Shosaburo, et al,
JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX,
1958, pp 1492-1495.
AEC ORNL-tr-1179

Sci-Chem
May 67

326,223

Studies on Methyl Isobutyl Ketone Extraction and
Determination of Metallic Salts. (First Report).
Extraction of Iron, Antimony, Tin, Arsenic, Selenium,
Tellurium, and Germanium Mainly From Hydrochloric
Acid Solutions, by Hidehiro Goto, Yachiyo Kakita,
Takeshi Furukawa, 21 pp.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXIX, 1958, pp
1513-1520.

AEC UCRL-Tr-541(L)

Sci - Chem
Sep 60

124,834

Estimation of Nitrogen in Silicon Nitride, by
T. Shigeta. UNCL

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXIX, No 12,
1958, pp 1564-1566.

*TII, T 5119

Sci - Chem
May 60

The Out-of-Plane Vibrations of Benzene, by Y.
Kakiuchi.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXX,
No 1, 1959, pp 21-25.

AMS JJ-1996

Sci - Chem

Jan 60

105,694

Structure of the Adduct of 1, 1-Diphenyl-
Ethylene With Sodium and its High Polymer, by
Keiji Kuvata, Shinichi Ishida, Kozo Hirota, 12 p.

JAPANESE, per, Nihon Kagaku Zasshi, 1959,
Vol LXXXI, No 1, pp 25-27.

SLA 59-17077

Sci
Jan 60
Vol 2, No 8

105,467

Measurement of Infrared Active Out-of-Plane OH
Vibration Bands of Several Monosubstituted
Benzene Derivatives, by Y. Kakiuchi.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXX,
No 1, 1959, pp 28-31.

ATS JJ-1997

Sci - Chem

Jan 60

105,687

R-1101-N

A Study on Stripehromatography Influence on
the R + Value by Shape of Chromatostrip.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXX,
No 1, 1959, pp 45-47.

*JPRS/ Redstone Arsenal

Sci

Jan 63

62-26937

Sigematsu, T. and Tabushi, M.
DOSAGE PHOTOMÉTRIQUE DU BERYLLIUM PAR
L'EMPLOI D'ACÉTYLACÉTONE ET APPLICATION AU
DOSAGE DU BERYLLIUM CONTENU DANS LES
ALLIAGES D'ALUMINIUM (Spectrophotometric Deter-
mination of Beryllium with Acetylacetone, Application
to Aluminium-Alloy). 12p. 2 refs. FX-1105.
Order from OTS, ETC or CNRS \$0.80 62-26937

- I. Sigematsu, T.
- II. Tabushi, M.
- III. F/X-1105
- IV. Centre National de la
Recherche Scientifique,
Paris (France)

Trans. in French of Nihon Kagaku Zasshi (Japan) 1959,
v. 80, p. 162-165.

DESCRIPTORS: Beryllium alloys, Aluminium alloys,
Beryllium, Acetones, Acetyl radicals, Absorption,
Spectrophotometers.

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SLA 61-10106

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DESCRIPTORS: *X-ray diffraction analysis, *Polymers,
*Vinyl alcohol, *Films, *Microstructure, X-ray ab-
sorption analysis, Thickness, Water, Heat treatment,
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Plastics, *Polyvinyl alcohols, Vinyl plastics, Tem-
perature, Melting.

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author, the diffraction intensity always decreases if the
sample is heat-treated at a certain temperature (about
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*X-ray absorption analysis, *Polyvinyl alcohol.

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Semiconductors, Oxygen, Carbon dioxide, Adsorption,
Chemical reactions, *Catalysis.

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Oxidation, Nickel compounds, *Oxides, *Catalysts,
Semiconductors, Oxygen, Carbon dioxide, Adsorption,
Chemical reactions, *Catalysis.

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DESCRIPTORS: Carbon compounds, *Monoxides, Oxi-
dation, Vanadium compounds, *Oxides, *Catalysts,
Semiconductors, Electrical conduction, Adsorption,
Chemical reactions, Oxygen, Carbon dioxide,
*Catalysis.

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